

## **ABSTRACT OF THE DISCLOSURE**

Optoelectronic devices, such as optical transmitters and optical amplifiers, are provided. The optoelectronic devices are suitable for use in connection with optical communications systems, and related components and devices, such as may be used in the transmission, reception and processing of data and other information. The optoelectronic devices are implemented as various types of semiconductors. The form, structure, properties and functionality of a particular optoelectronic semiconductor device are determined with reference to the application(s) in connection with which the optoelectronic device is to be employed.

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WORKMAN NYDEGGER  
A PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW  
1000 EAGLE GATE TOWER  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84111